

ABSTRACT

Methods and apparatus, including computer program products, for flattening an image. In one aspect, the invention provides a method that includes receiving an image having multiple objects with each object having an original outline. Objects from among the multiple objects are selected to be abstracted objects. A planar-mapping outline is defined for each object. The planar-mapping outline of each selected object is an enclosing outline that encloses the object, and the planar-mapping outline of each object not selected is the original outline of the object. The image is divided into non-overlapping regions by using the planar-mapping outlines of all the objects. Each region is flattened.

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